

DAMPING MATERIAL

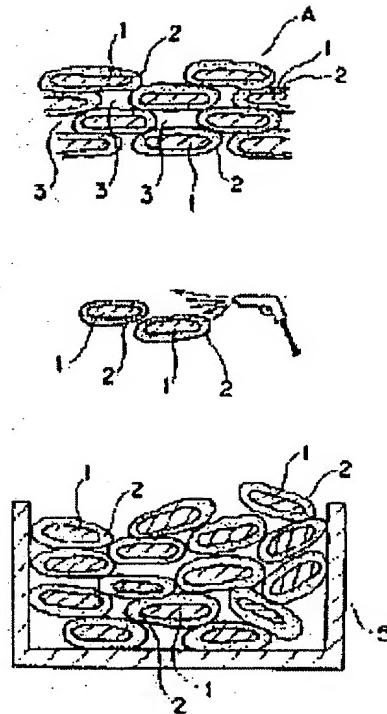
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Abstract of JP4000036

PURPOSE: To obtain the damping material, in which content of resin is small and which can be manufactured easily, by making the damping material of plate powder material, and making a thickness of the high polymer material for covering the surface of the plate powder material at a value less than the thickness of the plate powder material, and arranging the face directions of the plate powder material.

CONSTITUTION: A particle diameter of the powder material 1 to be used for the damping material A is 1μm-5μm, and usually, plate material of which diameter is 10μm-1mm is desirable, and for example, the plate powder material made of mica, talc, vermiculite or the like is used.

Thickness of the high polymer material 2 for covering the surface of the powder material is less than the thickness of the powder material, and is formed by coating the surface of the plate powder material 1 with spray of water emulsion such as acrylic group emulsion and urethane group emulsion and drying it. The plate powder material 1 of which surfaces are covered with the high polymer material are filled in a metal mold 5, and heating and pressurizing molding



is performed against them to pile the plate powder material 1 so that the face directions are arranged horizontally, and spaces 3 exist between the powder materials to make the porous condition, and a large sound damping property can be obtained. (sound absorbing property is large)

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